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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 09/936,848
Applicant : MURATA
Filed : September 18, 2001
TC/A.U. : 2683
Examiner : B. Miller
Docket No. : 2576-120
Customer No. : 06449
Confirmation No. : 1439

INFORMATION DISCLOSURE STATEMENT

Director of the United States Patent
and Trademark Office
P.O. Box 1450
Alexandria, Virginia 22313-1450


Dear Sir:

Under the provisions of 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant submits herewith information that the Office may wish to consider in examination of the subject application. The publications are listed on the attached form PTO-1449.

Also enclosed is an English version of the Office Action which indicates the degree of relevance found by the Japan Patent Office.

I hereby certify that each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

Respectfully submitted,

By 

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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office ³ Code	Number ⁴	Kind ⁵ <i>(if known)</i>			
	1	JP	09-054881		NEC ENG LTD	02-25-1997	AB
	2	JP	11-187153		DENSO CORP	07-09-1999	AB
	3	JP	11-088530		N T T IDO TSUSHINMO KK	03-30-1999	AB
	4	JP	11-164340		OI ELECTRIC CO LTD	06-18-1999	AB
Examiner Signature					Date Considered		

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code. ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.